

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1311658

Luminaire Tested: LDSQA3D17R359040DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311658  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359040DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

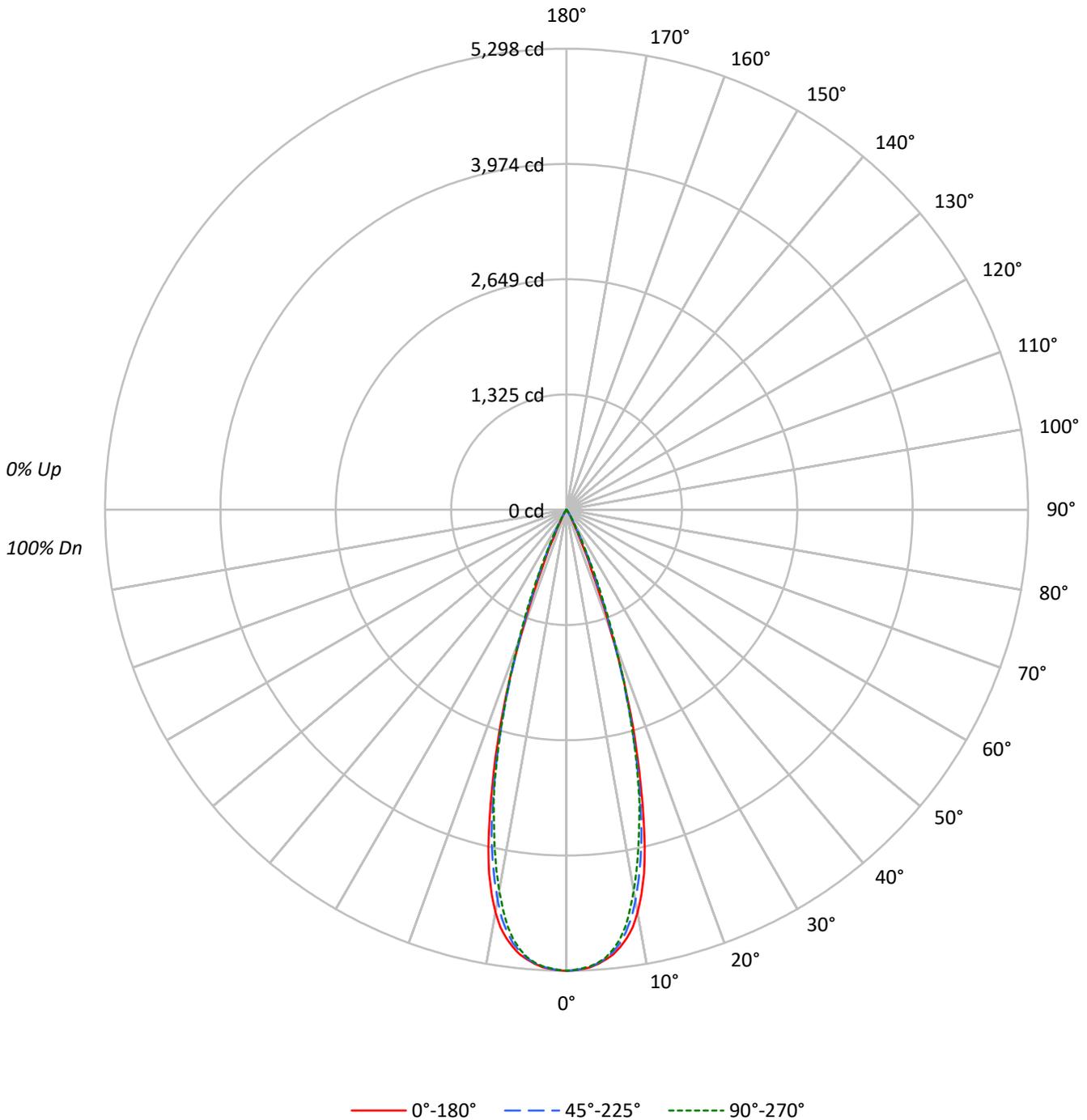
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1608.0 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	912401	912401	912401
5°	896731	894812	892893
10°	821846	797136	777759
15°	588490	569716	562798
20°	272879	282281	292178
25°	64742	92125	96058
30°	19012	21756	24520
35°	4373	6980	6412
40°	944	1866	1237
45°	341	341	341
50°	375	0	375
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 52.5°  
 Luminance: 396 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	475.6	29.6
10°-20°	850.3	52.9
20°-30°	255.8	15.9
30°-40°	24.5	1.5
40°-50°	1.7	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1581.7	98.4
0°-40°	1606.2	99.9
0°-60°	1608.0	100.0
0°-90°	1608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1608.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5298	5298	5298	5298	5298	
5°	5187	5186	5176	5169	5165	481
15°	3301	3276	3195	3182	3156	872
25°	341	375	485	506	506	219
35°	21	28	33	36	30	19
45°	1	1	1	1	1	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5297.8	5297.8	5297.8	5297.8	5297.8
1°	5295.0	5295.0	5292.3	5292.3	5286.7
2°	5282.6	5284.0	5278.4	5277.0	5272.9
3°	5263.2	5259.0	5259.0	5256.3	5253.5
4°	5232.7	5224.4	5221.6	5223.0	5217.5
5°	5187.0	5185.6	5175.9	5169.0	5164.8
6°	5137.1	5127.4	5106.7	5088.7	5084.5
7°	5062.3	5041.6	5023.6	4986.2	4980.6
8°	4970.9	4937.7	4898.9	4846.3	4843.5
9°	4858.7	4804.7	4750.7	4680.1	4655.1
10°	4699.5	4649.6	4558.2	4495.9	4447.4
11°	4501.4	4439.1	4332.4	4257.6	4217.5
12°	4277.0	4218.9	4094.2	4026.3	3969.5
13°	3988.9	3940.5	3824.1	3749.3	3705.0
14°	3655.1	3619.1	3508.3	3475.1	3459.8
15°	3300.6	3275.6	3195.3	3181.5	3156.5
17.5°	2429.4	2387.8	2342.1	2350.4	2358.7
20°	1488.9	1547.1	1540.2	1570.6	1594.2
22.5°	742.4	817.2	904.4	957.1	983.4
25°	340.7	375.3	484.8	505.5	505.5
27.5°	171.7	180.1	228.5	232.7	243.8
30°	95.6	102.5	109.4	121.9	123.3
32.5°	48.5	56.8	59.6	66.5	63.7
35°	20.8	27.7	33.2	36.0	30.5
37.5°	9.7	12.5	18.0	16.6	12.5
40°	4.2	5.5	8.3	6.9	5.5
42.5°	2.8	2.8	4.2	2.8	2.8
45°	1.4	1.4	1.4	1.4	1.4
47.5°	1.4	1.4	0.0	1.4	1.4
50°	1.4	0.0	0.0	0.0	1.4
52.5°	1.4	0.0	0.0	0.0	1.4
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)